

Claims

1. A vehicle steering wheel comprising a steering wheel rim,
at least one tube which is filled with a fluid and arranged in said steering wheel
rim,
5 and a device for generating a pressure wave in said fluid,
said device being designed and said tube being arranged such that said pressure
wave generates a haptic signal, able to be perceived by a driver, on a surface of
said steering wheel rim.
2. The vehicle steering wheel according to Claim 1, wherein said steering
wheel rim has a leather covering and said tube is arranged directly beneath said
leather covering.
10
3. The vehicle steering wheel according to Claim 1, wherein said tube runs
concentrically to a rotation axis of said steering wheel along said steering wheel
rim.
15
4. The vehicle steering wheel according to Claim 1, wherein said fluid is a
liquid.
5. The vehicle steering wheel according to Claim 4, wherein said liquid is
glycol.
6. The vehicle steering wheel according to Claim 1, wherein said fluid is air.
20
7. The vehicle steering wheel according to Claim 1, wherein said device is a
pump.
8. The vehicle steering wheel according to Claim 7, wherein said pump is
arranged in a region of a hub of said steering wheel.

9. The vehicle steering wheel according to Claim 7, wherein said pump sets a predetermined volume of said fluid into an oscillating movement.
10. The vehicle steering wheel according to Claim 7, wherein said pump moves a predetermined volume of said fluid according to a stochastic process.
- 5 11. The vehicle steering wheel according to Claim 1, wherein said device is designed such that said pressure wave in said fluid brings about a vibration movement of said steering wheel rim.
- 10 12. The vehicle steering wheel according to claim 1, wherein said tube extends over at least 240° along the circumference of said steering wheel rim seen in a direction of said steering wheel's rotational axis.
13. The vehicle steering wheel according to claim 1, wherein said device generates a pressure wave running along the circumference of said steering wheel rim, seen in a direction of said steering wheel's rotational axis.
14. A safety system including a vehicle steering wheel according to Claim 1, said safety system comprising an electronic unit and at least one sensor connected with said electronic unit, said electronic unit being designed such that in response to a signal of said sensor it actuates said device for generating a pressure wave.
- 15